Product outline

Music library application. Stores Songs, Albums, Artists, Playlists and Genres.

Entities

Track can have multiple genres, can be in one album, and can be attributed to multiple artists

Album, can have multiple genres, inherited from the tracks, can store multiple tracks, and can be attributed to multiple artists

Artist, can have multiple albums and tracks, tracks are inherited from albums.

Playlist, can store multiple or zero tracks.

Genre, can have multiple songs associated with it.

User stories

Epic 1: Rest API

System-

As a user I want to be able to log into the system so I can view my music library 13

As a guest I want to make use of the read functionality of the system without having to log in so I can browse the site. 5

As a guest I want to be able to sign up for the system so I can create a music library. 3

Create -

As a user I want to create an artist so I can sort tracks and albums by the same artist. 3

As a user I want to be able to create an album so I can add tracks to it. 3

As a user I want to be able to create a track so I can add music I like to my library. 3

As a user I want to be able to create a playlist so I can sort my music. 3

As a user I want to be able to define a new Genre of music so I can sort songs by it. 3

Update – Foreign keys

As a user I want to be able to link an album to an artist so I can keep track of what music is by which artist. 3

As a user I want to be able to link a track to an album so I can keep track of what music is on what album. 3

As a user I want to be able to add a genre to a track so I can find songs similar to others I like. 3

As a user I want to be able to add a track to a playlist so I can sort my music. 3

Update – Values

As a user I want to be able to change the details of an album so I can fix spelling mistakes 3

As a user I want to be able to change the details of a track so I can fix mistakes. 3

As a user I want to be able to change the details of an artist should the decide to change it. 3

As a user I want to be able to change the details of a playlist so I can rename it. 3

As a user I want to be able to change the details of a genre so I can update it’s details 3

Read -

As a user I want to be able to search for a specific track so I can find a song I like. 3

As a user I want to be able to search for an album so I can find and listen to it. 3

As a user I want to be able to search for an artist so I can browse their discography. 3

As a user I want to be able to search for a genre so I can browse the genre. 3

As a user I want to be able to find a specific playlist. 3

As a user I want to be able to search for tracks that have a particular genre. 3

As a user I want to be able to search for tracks that are in a particular album 3

As a user I want to be able to search for albums by a particular artist 3

As a user I want to be able to search for albums with a particular genre 3

As a user I want to be able to find all tracks in the database. 3

As a user I want to be able to find all albums in the database 3

As a user I want to be able to find all artists in the database 3

As a user I want to be able to find all genres in the database. 3

As a user I want to be able to find all tracks in a playlist. 3

Delete -

As a user I want to be able to delete a track I no longer wish to have in my library. 2

As a user I want to be able to delete an album I no longer wish to have in my library 2

As a user I want to be able to delete an artist I no longer wish to have in my library 2

As a user I want to be able to delete a playlist I no longer wish to have in my library 2

As a user I want to be able to delete a genre I no longer wish to have in my library 2

Epic 2: Website

-Login

AS a user I want to be able to login to the website so to view my own music library 13

AS a guest I want to be able to view the website and read all of the data. 8

AS a guest I want to be able to sign up so I can become a user of the website. 8

-Homepage

As a user I want to see the cards for each playlist on my home screen so I can easily access the playlists I have made. 6

As a user I want to be able to create a track 6

As a user I want to be able to create an album 6

As a user I want to be able to create an artist. 6

As a user I want to be able to create a genre 6

As a user I want to be able to create a playlist. 6

As a user I want to be able to delete a track 2

As a user I want to be able to delete an album 2

As a user I want to be able to delete an artist. 2

As a user I want to be able to delete a genre 2

As a user I want to be able to delete a playlist. 2

As a user I want to be able to update a track 5

As a user I want to be able to update an album 5

As a user I want to be able to update an artist. 5

As a user I want to be able to update a genre 5

As a user I want to be able to update a playlist. 5

-Artist page

As a guest I want to see and artist page so I can view details about the artist. 5

As a guest I want to be able to see, on an artist page, all of the albums they are accredited with. 3

-Album page

As a guest I want to be able to view an album page, so I can see what tracks are in the album. 5

-Track page

As a guest I want to be able to view a track page , so I can see it’s name, lyrics, Genre, album and artist. 5

-Genre page

As a guest I want to see all of the tracks that are marked as belonging to the selected genre so I can find similar songs. 5

-Playlist page

As a user I want to be able to view all of the tracks in a playlist. 3

-Hyper links

As a guest I want to be able to access the track page when I click on a track’s name. 2

As a guest I want to be able to access the album page when I click on the album’s name. 2

As a guest I want to be able to access the artist page when I click on the artist’s name. 2

As a guest I want to be able to access the genre page when I click on the genre. 2

Epic 3: Testing

As a user I want to be able to reliably access the server with little latency.